

## REMARKS

Claims 1 and 20 have been amended to clarify the subject matter regarded as the invention. Claims 1-8, 10-14 and 20 are pending.

The Examiner has rejected claims 1, 10, 12, 20, 23, and 24 under 35 U.S.C. 103(a) as being unpatentable over Marshall in view of Muratani and further in view of Chang.

The rejection is respectfully traversed. With respect to claim 1, none of Marshall, Muratani, or Chang discloses “summing the self correlations, including *adjusting the sign of each of the self correlations according to a known sequence that corresponds to the pseudorandom sequence*,” as recited in claim 1 (Emphasis Added). Support for the amendment to claim 1 may be found, without limitation, in the above-captioned application at Figures 2B, 4 and 5, and page 6, line 11 to page 7, line 6, and page 9, lines 10-13. Chang (paragraph 43) teaches a summation of the magnitude of Barker-correlated received samples. However, summing the magnitude of Barker-correlated received samples is not the same as summing the self correlations, including adjusting the sign of each of the self correlations according to a known sequence that corresponds to the *same* pseudorandom sequence used to adjust the sign of known form of the subsequence in the cross correlating step. In addition, a Barker-correlated received sample is not the same as a self correlation. A Barker-correlated sample is a sample cross correlated with a Barker code. A self correlation is a sequence cross correlated with itself.

As such, claim 1 is believed to be allowable.

Claims 2-8 and 10-14 depend from claim 1 and are believed to be allowable for the same reasons described above. Claim 20 recites a system for carrying out the method of claim 1. Therefore, it is believed that claim 20 is also allowable.

The foregoing amendments are not to be taken as an admission of unpatentability of any of the claims prior to the amendments.

Reconsideration of the application and allowance of all claims are respectfully requested based on the preceding remarks. If at any time the Examiner believes that an interview would be helpful, please contact the undersigned.

Respectfully submitted,

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